

*United States Coast Guard*



**FOREIGN PASSENGER VESSEL  
ANNUAL EXAMINATION BOOK**  
(FOR VESSELS BUILT PRIOR TO 25 MAY 80)

<b>Name of Vessel</b>		<b>Flag</b>  No Change	
<b>IMO Number</b>		<b>Case Number</b>	
<b>Date Completed</b>	<b>Priority</b>	<b>Points</b>	
<b>Location</b>			
<b>Vessel Built in Compliance with SOLAS: 60 74 74/78 NA</b>			
<b>Senior Marine Inspectors / Port State Control Officers</b>			
1. _____		3. _____	
2. _____		4. _____	

**Total Time Spent Per Activity:**

Regular Personnel (Active Duty)			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
-------------------	--------------------

Reserve Personnel			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
-------------------	--------------------

Auxiliary Resources	
TOTAL BOAT HOURS	TOTAL AIRCRAFT HOURS

## **Use of Foreign Passenger Vessel Annual Exam Book:**

This examination book is intended to be used as a job aid by Coast Guard senior marine inspectors/port state control officers during boardings of foreign-flagged passenger vessels constructed prior to 25 May 80 (vessels regulated under SOLAS 48 and SOLAS 60). Vessels constructed after this date and regulated under SOLAS 74 or SOLAS 74/78 should be examined using the CG-840 CV2 examination book. Each book contains an extensive list of possible examination items. It is not, however, the Coast Guard's intention to "inspect" all items listed. As a port state responsibility, senior marine inspectors/port state control officers must verify that the vessels and their crews are in substantial compliance with international conventions and applicable US laws. The depth and scope of the examination must be determined by the senior marine inspectors/port state control officers based on their observations.

This document does not establish or change Federal laws or regulations. References given are only general guides. Refer to IMO publications, CFR's, the Port State Control Job Aid, NVIC's, and any locally produced cite guides for specific regulatory references.

**NOTE:** *Guidance on how to examine foreign passenger vessels can be found in MSM Volume II, Chapter 20: Procedures Applicable to Foreign Passenger Vessels.*

## **Guide to Examinations:**

- ☐ All vessels
- ☐ Vessels constructed prior to 25 MAY 1980 (SOLAS 60)
- ☐ Vessels constructed prior to 26 MAY 1965 (SOLAS 48)
- ☐ Vessels constructed prior to 19 NOV 1952

### **Pre-inspection Items**

- Review MSIS records.
  - PSVH
  - VFIP
- Obtain copies of forms to be issued.

### **Post-inspection Items**

- Issue letters/certificates to vessel.
  - Record of deficiencies
- Complete MSIS entries within 48 hours.
  - PSAR
  - MSDS
  - PSDR
  - VFLD
  - VFIP

## **Table of Contents:**

### **Section 1: Administrative Items**

IMO Applicability Dates.....	1
Involved Parties & General Information .....	2
Vessel Information.....	3
Vessel Description.....	3

### **Section 2: Certificates and Documents**

International Certificates .....	4
Manning Certification .....	6
Logs and Manuals .....	6
Pollution Prevention Records.....	8

### **Section 3: Inspection Items**

Navigation Safety .....	9
General Health and Safety.....	11
Subdivision and Stability .....	13
Lifesaving Equipment .....	14
Fire Protection .....	15
Machinery Spaces .....	20
Electrical Systems .....	20
Pollution Prevention.....	21

### **Section 4: Drills**

Fire Drill.....	23
Abandon Ship Drill.....	24

### **Section 5: Appendices**

Recommended Port State Control Procedures.....	25
Detention Information .....	31
Notes.....	32
Deficiency Summary Worksheet .....	34
Conversions .....	35

## Section 1: Administrative Items

### IMO Applicability Dates:

Reference	Date
SOLAS 1948	19 NOV 52
SOLAS 1960	26 MAY 65
SOLAS 1974	25 MAY 80
1978 Protocol to SOLAS 1974	01 MAY 81
1981 Amendments (II-1 & II-2)	01 SEP 84
1983 Amendments (III)	01 JUL 86
<i>Various additional amendments to SOLAS</i>	
MARPOL 73/78 Annex I	02 OCT 83
MARPOL 73/78 Annex II	06 APR 87
MARPOL 73/78 Annex III	01 JUL 92
MARPOL 73/78 Annex V	31 DEC 88
COLREGS 1972	15 JUL 77
<i>Various additional amendments to COLREGS</i>	
Load Line 1966	21 JUL 68
STCW 1978	28 APR 84
1991 Amendments	01 DEC 92
1994 Amendments	01 JAN 96
1995 Amendments	01 FEB 97

**Involved Parties & General Information:**

Owner's Agent
Individual
Phone Number

Charterer's Agent
Individual
Phone Number Same as Owner's Agent

Owner—Listed on DOC or COFR
No Change

Operator
No Change

**Vessel Information:**

Classification Society	
ISM Issuer: Same as above?  Yes                      No If not the same, which Recognized Organization? _____	
<b>NOTE:</b> The period of validity for ISM documents should correspond to the following list. If they do NOT, ISM documents should be further investigated.  <input type="checkbox"/> 5 years = Full term (SMS and DOC) <input type="checkbox"/> 12 months = Interim (DOC) <input type="checkbox"/> 6 months = Interim (SMC) <input type="checkbox"/> 5 months = Short term (SMC)	
Last Drydocking Date	Next Drydocking Date
Location of Last Drydocking	
Date of Last Class Survey	
Outstanding conditions of class or non-conformities	
Last Port of Call	Next Port of Call
Method of Construction I                      II                      III	Conversions / Modifications
Call Sign	No Change (VFID)
Gross Tons	No Change (VFMD)
Built Date (use delivery date)	No Change (VFCD)
Overall Length (in feet)	No Change (VFMD)

**Vessel Description:**

Passenger Vessel

Ferry

Ro-ro Passenger Vessel

Other  
\_\_\_\_\_

## Section 2: Certificates and Documents

### International Certificates:

Name of Certificate	Issuing Agency	ID #	Port Issued/ Country	Issue Date	Exp. Date	Endors. Date
<b>Certificate of Registry</b> No Change						
<b>Classification Document</b> No Change						
<b>Certificate of Financial Responsibility (COFR)</b> No Change	USCG					
<b>Passenger Ship Safety (PSS)</b> No Change						
<b>International Load Line (ILL)</b> No Change						
<b>International Oil Pollution Prevention (IOPP)</b> No Change						



<b>Name of Certificates</b>	<b>Issuing Agency</b>	<b>ID #</b>	<b>Port Issued/ Country</b>	<b>Issue Date</b>	<b>Exp. Date</b>	<b>Endors. Date</b>
<b>International Tonnage (ITC)</b> No Change						
<b>Safety Management (SMC)</b> No Change						
<b>Document of Compliance (DOC)</b> No Change						

## **Manning Certification:**

- |                          |  |   |
|--------------------------|--|---|
| <input type="checkbox"/> | <b>Safe Manning Document</b>   | SOLAS 74/78 V/13<br>IMO Res.A.481(XII)                      |
|                          | <ul style="list-style-type: none"><li>• Manning in accordance with document<br/><b>NOTE:</b> <i>If vessel does not have a Safe Manning Document or is not manned in accordance with Safe Manning Document, local Consulate must be contacted and the deficiency resolved prior to vessel's departure from port.</i></li><li>• Review copy of crew list</li></ul> |   |
| <input type="checkbox"/> | <b>Officers' certificates</b>  | STCW 95 I/2<br>STCW 95 I/10<br>STCW 95 VI/1<br>STCW 95 VI/2 |
|                          | <ul style="list-style-type: none"><li>• Master and chief engineer licenses current</li><li>• Navigating and engineering officers' licenses current; <b>NOTE:</b> 3000 kW = 4023 hp</li><li>• Flag endorsement</li><li>• Medical certificates</li></ul>   |   |
| <input type="checkbox"/> | <b>Crew documents</b>  | STCW 95 VI/1  |
|                          | <ul style="list-style-type: none"><li>• Documents current</li><li>• Medical certificates valid (issued by flag state)</li><li>• Minimum age 15</li></ul>   | ILO 147 Art. II   |
| <input type="checkbox"/> | <b>Rest periods</b>  | STCW 95 VIII/1  |
|                          | <ul style="list-style-type: none"><li>• Review watch schedules</li></ul>   |   |

## **Logs and Manuals:**

- |                          |   |  |
|--------------------------|---|--|
| <input type="checkbox"/> | <b>Lifesaving equipment maintenance record</b>  | SOLAS 74/78 III/19                         |
|                          | <ul style="list-style-type: none"><li>• Periodic checks as required</li><li>• Visual inspection of survival craft / rescue boat and launching appliances</li><li>• Operation of lifeboat / rescue boat engines</li><li>• Lifesaving appliances, including lifeboat equipment examined</li></ul> |  |
| <input type="checkbox"/> | <b>Emergency training and drills</b>  | SOLAS 74/78 III/18                         |
|                          | <ul style="list-style-type: none"><li>• Onboard training in use of lifesaving equipment (all crew members)</li><li>• SOLAS training manual</li><li>• Logbook records</li><li>• Weekly and lifeboat drills</li></ul>   | SOLAS 74/78 III/18.5<br>SOLAS 74/78 III/25 |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- |   |  |
|---|--|
| <input type="checkbox"/> Bridge log <ul style="list-style-type: none"> <li>• Pre-arrival tests conducted</li> <li>• Casualties (navigation equipment and steering gear failures reported)</li> <li>• Steering gear drills</li> <li>• Emergency steering drills</li> </ul>   | 33 CFR 164.25<br>STCW 95 I/14<br><br>33 CFR 164.53   |
| <input type="checkbox"/> Exemptions to SOLAS certificates   | SOLAS 74/78 I/4  |
| <input type="checkbox"/> Criterion numeral <ul style="list-style-type: none"> <li>• Determination</li> </ul>  | SOLAS 48 II/5<br>SOLAS 60 II/5   |
| <input type="checkbox"/> Stability information <ul style="list-style-type: none"> <li>• Damage stability information</li> <li>• Stability test information</li> <li>• Damage control plans</li> </ul>   | SOLAS 48 II/7<br>SOLAS 60 II/7<br>SOLAS 74/78 II-1/8<br>SOLAS 48 II/18<br>SOLAS 60 II/19<br>SOLAS 60 II/20 |
| <input type="checkbox"/> Information on all persons aboard vessel <ul style="list-style-type: none"> <li>• List of “special needs” passengers</li> <li>• Identification record (name-gender-adult, child, infant)           <ul style="list-style-type: none"> <li>— Held ashore readily available for SAR organizations</li> </ul> </li> </ul> | SOLAS 74/78 III/24-2.1<br>SOLAS 74/78 III/24-2.2<br>SOLAS 74/78 III/24-2.3<br>SOLAS 74/78 III/24-2.4       |
| <input type="checkbox"/> Decision support system for emergency management   | SOLAS 74/78 III/24-4   |
| <input type="checkbox"/> Working language established and recorded <ul style="list-style-type: none"> <li>• Language _____</li> <li>• Different from Flag State           <ul style="list-style-type: none"> <li>Yes</li> <li>No</li> </ul> </li> <li>• Posted plans include translation</li> </ul>   | SOLAS 74/78 V/13   |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- |                          |   |                  |
|--------------------------|---|------------------|
| <input type="checkbox"/> | Vessel / Coast Guard SAR plan   | SOLAS 74/78 V/15 |
|                          | <ul style="list-style-type: none"> <li>• Approved</li> <li style="padding-left: 20px;">Yes</li> <li style="padding-left: 20px;">No</li> </ul> |                  |
| <input type="checkbox"/> | Operations limitations manual   | SOLAS 74/78 V/23 |

### **Pollution Prevention Records:**

- |                          |  |   |
|--------------------------|--|---|
| <input type="checkbox"/> | Current pollution prevention records   |   |
|                          | <ul style="list-style-type: none"> <li>• Person-in-charge</li> <li>• Transfer equipment tests and inspections</li> <li>• Declaration of Inspection</li> </ul>  | <p>33 CFR 155.700</p> <p>33 CFR 156.170</p> <p>33 CFR 156.150</p> |
| <input type="checkbox"/> | Oil record book (Part 1) (spot-check)  |   |
|                          | <ul style="list-style-type: none"> <li>• Each operation signed by person-in-charge</li> <li>• Each complete page signed by master</li> <li>• Book maintained for 3 years</li> </ul>  | <p>MARPOL Ax. I/20</p> <p>33 CFR 151.25</p>                       |
| <input type="checkbox"/> | Shipboard oil pollution emergency plan   |   |
|                          | <ul style="list-style-type: none"> <li>• Approved by flag state / class society</li> <li>• Contact numbers correct</li> <li>• Immediate Actions List</li> </ul>  | <p>MARPOL Ax. I/26.1</p> <p>33 CFR 151.26</p>                     |
| <input type="checkbox"/> | Oil transfer procedures  |   |
|                          | <ul style="list-style-type: none"> <li>• Posted / available in crew's language</li> <li>• List of products carried by vessel</li> <li>• Description of transfer system including a line diagram of piping</li> <li>• Number of persons required on duty</li> <li>• Duties by title of each person</li> <li>• Means of communication</li> <li>• Procedures to top off tanks</li> <li>• Procedures to report oil discharges</li> </ul> | <p>33 CFR 155.720</p>   |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Section 3: Inspection Requirements

### Navigation Safety:

- |                          |  |   |
|--------------------------|--|---|
| <input type="checkbox"/> | Charts and publications for US waters/<br>intended voyage  | 33 CFR 164.33                                   |
|                          | <ul style="list-style-type: none"><li>• Current and corrected charts</li><li>• US Coast Pilot</li><li>• Sailing directions</li><li>• Coast Guard Light List</li><li>• Tide tables</li><li>• Tidal current tables</li><li>• International Rules of the Road</li><li>• Inland Rules of the Road</li><li>• International Code of Signals</li><li>• Plotting equipment</li></ul> | 33 CFR 164.35                                   |
| <input type="checkbox"/> | Operationally test radar(s) and ARPA   | 33 CFR 164.35<br>33 CFR 164.37<br>33 CFR 164.38 |
|                          | <ul style="list-style-type: none"><li>• 2 required if over 10,000 GT</li><li>• Operate independently</li><li>• ARPA acquires targets</li></ul>   |   |
| <input type="checkbox"/> | Compasses  | 33 CFR 164.35                                   |
|                          | <ul style="list-style-type: none"><li>• Illuminated gyrocompass with repeater at stand</li><li>• Illuminated magnetic compass</li><li>• Current deviation table</li></ul>  |   |
| <input type="checkbox"/> | Test electronic depth sounding device and<br>recorder  | 33 CFR 164.35                                   |
|                          | <ul style="list-style-type: none"><li>• Accurate readout</li><li>• Test all transducers</li><li>• Continuous recorder (chart)</li></ul>  |   |
| <input type="checkbox"/> | Electronic position fixing device  | 33 CFR 164.41                                   |
|                          | <ul style="list-style-type: none"><li>• Location accurate</li></ul>  |   |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- |                          |  |  |
|--------------------------|--|--|
| <input type="checkbox"/> | Indicators   | 33 CFR 164.35  |
|                          | <ul style="list-style-type: none"> <li>• Illuminated rudder angle indicator</li> <li>• Centerline RPM indicator</li> <li>• Propeller pitch (CPP systems)</li> <li>• Speed and distance indicator</li> <li>• Lateral thrusters</li> </ul> | 33 CFR 164.40  |
| <input type="checkbox"/> | Steering gear instructions   | 33 CFR 164.35  |
|                          | <ul style="list-style-type: none"> <li>• Instructions</li> <li>• Emergency instructions</li> <li>• Block diagram</li> </ul>  |  |
| <input type="checkbox"/> | Emergency steering station   | 33 CFR 164.35  |
|                          | <ul style="list-style-type: none"> <li>• Compass repeaters</li> <li>• Communications</li> </ul>  |  |
| <input type="checkbox"/> | Maneuvering facts sheet with warning statement   | 33 CFR 164.35  |
| <input type="checkbox"/> | EPIRB (406 MHz)  | SOLAS 74/78 IV/7.1.6   |
|                          | <ul style="list-style-type: none"> <li>• Float-free amount</li> <li>• Battery date current</li> <li>• Hydrostatic release</li> </ul>   |  |
| <input type="checkbox"/> | Communications   | SOLAS 74/78 IV/6.3<br>33 CFR 26.03                             |
|                          | <ul style="list-style-type: none"> <li>• VHF radio</li> </ul>  |  |
| <input type="checkbox"/> | Navigation bridge radio distress panels  | SOLAS 74/78 IV/6.4<br>SOLAS 74/78 IV/6.5<br>SOLAS 74/78 IV/6.6 |
|                          | <ul style="list-style-type: none"> <li>• PSS Certificate endorsed</li> </ul>   |  |
| <input type="checkbox"/> | 2-way SAR aircraft radio   | SOLAS 74/78 IV/7.5   |
|                          | <ul style="list-style-type: none"> <li>• Located on navigation bridge</li> <li>• Capable of utilizing 121.5 and 123.1 MHz</li> </ul>   |  |
| <input type="checkbox"/> | Radiocommunication personnel   | SOLAS 74/78 IV/16.2  |
|                          | <ul style="list-style-type: none"> <li>• Qualified person assigned only to radiocommunication duties during distress incidents</li> </ul>  |  |

Notes: \_\_\_\_\_

---



---



---



---



---

- |                          |  |  |
|--------------------------|--|--|
| <input type="checkbox"/> | GMDSS  | SOLAS 74/78 IV/8<br>SOLAS 74/78 IV/9<br>SOLAS 74/78 IV/10<br>SOLAS 74/78 IV/11 |
|                          | <ul style="list-style-type: none"> <li>Additional radio equipment for area of operation</li> </ul>   |  |
| <input type="checkbox"/> | GMDSS lifeboat radios (VHF)  | SOLAS 74/78 III/6.2  |
|                          | <ul style="list-style-type: none"> <li>3 if over 500 GT</li> <li>Operable condition</li> </ul>   |  |
| <input type="checkbox"/> | 9 GHz radar transponder (SART)   | SOLAS 74/78 III/6.2<br>NVIC 9-93   |
|                          | <ul style="list-style-type: none"> <li>Two required</li> <li>Stowed so to be rapidly placed in survival craft, or stowed in survival craft</li> </ul>                    |  |
| <input type="checkbox"/> | Emergency source of power (radio)  | SOLAS 74/78 IV/13  |
|                          | <ul style="list-style-type: none"> <li>Independent of ship's power system</li> <li>1 or 6 hour time duration</li> <li>Battery system</li> <li>Battery charger</li> </ul> |  |
| <input type="checkbox"/> | NAVTEX   | SOLAS 74/78 IV/7.1.4   |
| <input type="checkbox"/> | INMARSAT   | SOLAS 74/78 IV/7   |
| <input type="checkbox"/> | Radio installation   | SOLAS 74/78 IV/6.2   |
|                          | <ul style="list-style-type: none"> <li>Safe installation</li> <li>Independent lighting</li> <li>Marked with call sign</li> </ul>   |  |
| <input type="checkbox"/> | Signalling lamp  | SOLAS 74/78 V/11   |
| <input type="checkbox"/> | Lifesaving signals table   | SOLAS 74/78 V/16   |

### **General Health and Safety:**

- |                          |  |              |
|--------------------------|--|--------------|
| <input type="checkbox"/> | Crew able to perform necessary safety and pollution prevention duties  | STCW 95 VI/1 |
|                          | <ul style="list-style-type: none"> <li>Personal survival techniques</li> <li>Firefighting emergencies</li> <li>Elementary first aid</li> </ul> |              |

Notes: \_\_\_\_\_

---



---



---



---



---

- |   |                                |
|---|--------------------------------|
| <input type="checkbox"/> Accident prevention and occupational health <ul style="list-style-type: none"> <li>• Rails, guards, protective clothing and equipment, warning signs posted in crew work areas</li> </ul>  | COMDTINST 16711.12A<br>ILO 147 |
| <input type="checkbox"/> Crew accommodations <ul style="list-style-type: none"> <li>• Habitable conditions</li> <li>• Adequate lighting and ventilation</li> <li>• Free of cargo and stores</li> <li>• Individual berths</li> </ul>   | COMDTINST 16711.12A<br>ILO 147 |
| <input type="checkbox"/> Hospital space <ul style="list-style-type: none"> <li>• Designated for ships <math>\geq 500</math> GT with 15 or more crew on voyage of more than 3 days</li> <li>• Not used for stowage or berthing</li> <li>• Properly operating toilet</li> <li>• Medicine chest or doctor</li> </ul> | COMDTINST 16711.12A<br>ILO 147 |
| <input type="checkbox"/> Galley <ul style="list-style-type: none"> <li>• Sanitary conditions</li> <li>• Hot and cold-running water</li> <li>• Adequately equipped to prepare food</li> <li>• Mess hall provided for crew</li> </ul>   | COMDTINST 16711.12A<br>ILO 147 |
| <input type="checkbox"/> Refrigerator and stores spaces <ul style="list-style-type: none"> <li>• Storage free of insects</li> </ul>   | COMDTINST 16711.12A<br>ILO 147 |
| <input type="checkbox"/> Sanitation <ul style="list-style-type: none"> <li>• Toilets working (1/8 crew)</li> <li>• Showers operate (1/8 crew)</li> <li>• Wash basins</li> <li>• Lighted / heated / ventilated</li> </ul>  | COMDTINST 16711.12A<br>ILO 147 |
| <input type="checkbox"/> General safety <ul style="list-style-type: none"> <li>• Safe access to all spaces</li> <li>• Spaces adequately lighted</li> <li>• No electrical hazards</li> <li>• Warning notices posted as necessary</li> </ul>  | COMDTINST 16711.12A<br>ILO 147 |

Notes: \_\_\_\_\_

---



---



---



---



---



---



- |                          |  |  |
|--------------------------|--|--|
| <input type="checkbox"/> | Muster lists and emergency instructions  |  |
|                          | <ul style="list-style-type: none"> <li>Available for each person</li> <li>Posted in conspicuous places</li> <li>Language understood by crew</li> <li>Shows crew member duties</li> <li>Checked for accuracy</li> </ul> | <p>SOLAS 74/78 III/8</p> <p>SOLAS 74/78 III/53</p> |
| <input type="checkbox"/> | Pilot ladders and hoists in good condition   | SOLAS 74/78 V/17                                   |

### **Subdivision and Stability:**

- |                          |  |   |
|--------------------------|--|---|
| <input type="checkbox"/> | Stability logging  | SOLAS 74/78 II-1/8                                    |
|                          | <ul style="list-style-type: none"> <li>Verified by master</li> </ul>   |   |
| <input type="checkbox"/> | Draft markings   | SOLAS 74/78 II-1/8                                    |
|                          | <ul style="list-style-type: none"> <li>Bow and stern</li> </ul>  |   |
| <input type="checkbox"/> | Load line markings   | SOLAS 48 II/10<br>SOLAS 60 II/11                      |
|                          | <ul style="list-style-type: none"> <li>Visible including C.1 line</li> </ul>   |   |
| <input type="checkbox"/> | Bilge pumps  | SOLAS 48 II/17<br>SOLAS 60 II/18                      |
|                          | <ul style="list-style-type: none"> <li>3 required (4 if criterion numeral is 30 or more)</li> </ul>                      |   |
| <input type="checkbox"/> | Operation of watertight / weathertight doors   |   |
|                          | <ul style="list-style-type: none"> <li>Required drills</li> <li>Inspections</li> <li>Markings</li> <li>Logged</li> </ul> | <p>SOLAS 74/78 II-1/24</p> <p>SOLAS 74/78 II-1/25</p> |
| <input type="checkbox"/> | Openings in watertight bulkheads   | SOLAS 48 II/12<br>SOLAS 60 II/60                      |
|                          | <ul style="list-style-type: none"> <li>Pipes, cable penetrations properly sealed</li> </ul>                              |   |
| <input type="radio"/>    | Openings in watertight bulkheads free of lead or other heat-sensitive materials  | SOLAS 60 II/13  |
| <input type="radio"/>    | Ballasting fuel tanks  | SOLAS 60 II/8   |

Notes: \_\_\_\_\_

---



---



---



---



---

## **Lifesaving Equipment:**



### **Lifeboats**

- |                                       |                          |
|---------------------------------------|--------------------------|
| • Availability                        | SOLAS 60 III/4           |
| • Hull and fittings                   | SOLAS 60 III/5           |
| • Capacity                            | SOLAS 60 III/6 & 7       |
| • Number required                     | SOLAS 60 III/8, 27, & 35 |
| • Specifications                      | SOLAS 60 III/9 & 10      |
| • Equipment                           | SOLAS 60 III/11 & 12     |
| • Radiotelephone                      | SOLAS 74/78 III/6.2      |
| • Searchlights                        | SOLAS 60 III/14          |
| • Operating instructions              | SOLAS 74/78 III/9        |
| • Manning                             | SOLAS 74/78 III/10       |
| • Marking                             | SOLAS 60 III/20          |
| • Retro-reflective tape               | SOLAS 74/78 III/30       |
| • Embarkation                         | SOLAS 60 III/19          |
| • Davits, falls, winches, and stowage | SOLAS 60 III/28, 29, 36  |
| • Falls renewed / end-for-end         | SOLAS 74/78 III/19       |



### **Liferafts**

- |                          |                      |
|--------------------------|----------------------|
| • Availability           | SOLAS 60 III/4       |
| • Number required        | SOLAS 60 III/27 & 35 |
| • Specifications         | SOLAS 60 III/15 & 16 |
| • Equipment              | SOLAS 60 III/17      |
| • Embarkation            | SOLAS 60 III/19      |
| • Marking                | SOLAS 60 III/20      |
| • Operating instructions | SOLAS 74/78 III/9    |
| • Manning                | SOLAS 74/78 III/10   |
| • Retro-reflective tape  | SOLAS 74/78 III/30   |
| • Stowage                | SOLAS 60 III/29      |
| • Servicing              | SOLAS 74/78 III/19   |



### **Buoyant apparatus**

- |                   |                 |
|-------------------|-----------------|
| • Availability    | SOLAS 60 III/4  |
| • Number required | SOLAS 60 III/27 |
| • Stowage         | SOLAS 60 III/29 |
| • Specifications  | SOLAS 60 III/33 |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- ☐ Lifebuoys
  - Number required SOLAS 60 III/34 & 37
  - Specifications SOLAS 60 III/21
  - Retro-reflective tape SOLAS 74/78 III/30
- ☐ Lifejackets
 

Adult \_\_\_\_\_ Children \_\_\_\_\_

  - Retro-reflective tape SOLAS 74/78 III/30
  - Lights SOLAS 74/78 III/21
  - Whistles SOLAS 74/78 III/32
  - Number of lifejackets rejected \_\_\_\_\_
- ☐ Immersion suits and thermal protective aids SOLAS 74/78 III/21
  - Number required
- ☐ Line-throwing apparatus SOLAS 60 III/23
  - Specification
- ☐ Distress signals SOLAS 60 III/24
  - 12 red rocket parachute flares

### **Fire Protection:**

- ☐ Fire control plans SOLAS 74/78 II-2/20  
SOLAS 74/78 II-2/41-2.1.1
  - Properly displayed
  - Correct notations and information
  - Weathertight enclosure outside deckhouse
- ☐ Structure SOLAS 74 II-2/66  
SOLAS 74 II-2/70  
SOLAS 48 II/27  
SOLAS 60 II/36  
SOLAS 60 II/54
  - Decks, deckhouse, shell, bulkheads
  - Accommodation spaces
  - Methods I, II, III
- ◇ Construction details
  - Deck coverings SOLAS 48 II/29
  - Use of incombustible materials (except Method II) SOLAS 48 II/32

Notes: \_\_\_\_\_

---



---



---



---



---

☐ Construction details

- Deck coverings SOLAS 60 II/41
- Use of incombustible materials (except Method II) SOLAS 60 II/48
- Penetration of A and B-Class bulkheads in construction SOLAS 60 II/49

☐ Main vertical zones SOLAS 74 II-2/67

▽	<ul style="list-style-type: none"><li>• Bulkhead insulating values</li></ul>	SOLAS 48 II/26 SOLAS 48 II/28
◇	<ul style="list-style-type: none"><li>• 40 meters</li></ul>	SOLAS 48 II/28
○	<ul style="list-style-type: none"><li>• A-Class bulkheads</li><li>• Bulkheads within MVZs</li></ul>	SOLAS 48 II/30 SOLAS 60 II/37 SOLAS 60 II/39

☐ Openings in main vertical zones SOLAS 74 II-2/68  
SOLAS 48 II/29  
SOLAS 48 II/27  
SOLAS 60 II/38  
SOLAS 60 II/49

- Fire doors
  - Steel
  - Proper closure
- Ducts, trunks
- Pipe, cable penetrations
- Fire dampers
- Fire door indicator panel

SOLAS 74/78 II-2/41-2.4.1 & 41-2.4.2

☐ Draft stops SOLAS 48 II/40  
SOLAS 60 II/49

☐ Separation of accommodation spaces from machinery, cargo, and service spaces SOLAS 74 II-2/69  
SOLAS 48 II/31  
SOLAS 60 II/40

- A-Class bulkheads, decks

☐ Protection of vertical stairways SOLAS 74 II-2/71  
SOLAS 48 II/33  
SOLAS 60 II/42  
SOLAS 60 II/53  
SOLAS 74/78 II-2/41-2.4.4

- A-Class enclosures
- Fire doors
- Authorized service and stowage areas

☐ Protection of passenger and service elevators SOLAS 74 II-2/72  
SOLAS 48 II/34  
SOLAS 60 II/43

- A-Class enclosures
- A-Class doors
- Shutters

Notes: \_\_\_\_\_

---

---

---

---

---

- |   |   |  |   |
|---|---|--|---|
| <input type="checkbox"/> Protection of control stations   | SOLAS 74 II-2/73<br>SOLAS 48 II/35<br>SOLAS 60 II/44  |  |   |
| <ul style="list-style-type: none"> <li>• A-Class bulkheads and decks</li> <li>• Fire control central</li> <li>• Wheelhouse</li> <li>• Radio room</li> <li>• Emergency generator</li> </ul>  |   |  |   |
| <input type="checkbox"/> Protection of storerooms   | SOLAS 74 II-2/74<br>SOLAS 48 II/36<br>SOLAS 60 II/45  |  |   |
| <ul style="list-style-type: none"> <li>• A-Class enclosures</li> <li>• Paint and lamp lockers</li> <li>• Mail and baggage rooms</li> <li>• Galleys</li> </ul>   |   |  |   |
| <input type="checkbox"/> Engineroom skylights   | SOLAS 74 II-2/75  |  |   |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; text-align: center; vertical-align: middle;"> <div style="display: flex; flex-direction: column; align-items: center;"> <div>◇</div> <div>○</div> </div> </td> <td style="padding: 5px;"> <ul style="list-style-type: none"> <li>• Glass meets bulkhead integrity requirements</li> </ul> </td> </tr> </table> |   | <div style="display: flex; flex-direction: column; align-items: center;"> <div>◇</div> <div>○</div> </div> | <ul style="list-style-type: none"> <li>• Glass meets bulkhead integrity requirements</li> </ul> |
| <div style="display: flex; flex-direction: column; align-items: center;"> <div>◇</div> <div>○</div> </div>  | <ul style="list-style-type: none"> <li>• Glass meets bulkhead integrity requirements</li> </ul>   |  |   |
| <input type="checkbox"/> Ventilation systems  | SOLAS 74 II-2/76<br>SOLAS 48 II/38<br>SOLAS 60 II/47<br>SOLAS 60 II/53<br>SOLAS 60 II/54<br>SOLAS 60 II/67<br>SOLAS 74/78 II-2/41-2.4.3 |  |   |
| <ul style="list-style-type: none"> <li>• 2 remote shutdowns</li> <li>• Galley exhaust ducts           <ul style="list-style-type: none"> <li>– A-Class</li> <li>– Grease traps</li> <li>– Fixed fire extinguishing system</li> <li>– Shutdown</li> <li>– Fire damper</li> </ul> </li> </ul>   |   |  |   |
| <input type="checkbox"/> Laundry room ventilation   | MSG 021939Z NOV 98  |  |   |
| <ul style="list-style-type: none"> <li>• System clean and clear of potential fire hazards (e.g., lint)</li> <li>• Adequate cleaning and maintenance program in place</li> </ul>   |   |  |   |
| <input type="checkbox"/> Smoke detection and alarm system   | SOLAS 74/78 II-2/41-2.2   |  |   |
| <ul style="list-style-type: none"> <li>• Accommodation spaces</li> <li>• Service spaces</li> <li>• Stairway enclosures</li> <li>• Corridors</li> </ul>  |   |  |   |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

<input type="checkbox"/>	Smoke detection and alarm system fitted above ceilings	SOLAS 74/78 II-2/41-2.3
	<ul style="list-style-type: none"> <li>In stairways and corridors (if ceilings are made of combustible material)</li> </ul>	
<input type="checkbox"/>	Fire detection systems	SOLAS 74 II-2/81 SOLAS 74/78 II-2/41-2.1.2
	<ul style="list-style-type: none"> <li>Patrols <ul style="list-style-type: none"> <li>Proper training</li> <li>Portable radios</li> </ul> </li> <li>Special crew alarm</li> <li>Public address system</li> </ul>	SOLAS 74/78 II-2/41-2.4.9 SOLAS 74/78 III/6.5
<input type="checkbox"/>	Fire detection and extinction	
	<ul style="list-style-type: none"> <li>Method II (automatic sprinkler and fire alarm)</li> <li>Method III (automatic fire alarm and fire detection system)</li> </ul>	SOLAS 48 II/42 SOLAS 48 II/50
<input type="checkbox"/>	Fire detection and extinction	
	<ul style="list-style-type: none"> <li>Method II (automatic sprinkler and fire alarm)</li> <li>Method III (automatic fire alarm and fire detection system)</li> </ul>	SOLAS 60 II/51 SOLAS 60 II/52
<input type="checkbox"/>	Portable fire extinguishers	SOLAS 74 II-2/81 SOLAS 48 II/46 SOLAS 48 II/50 SOLAS 60 II/57 SOLAS 60 II/64
	<ul style="list-style-type: none"> <li>Serviced</li> <li>Spares</li> <li>Location and number agree with fire control plan</li> </ul>	
<input type="checkbox"/>	Fire pumps, fire mains, hydrants, and hoses	SOLAS 74 II-2/80 SOLAS 48 II/45 SOLAS 48 II/50 SOLAS 60 II/56 SOLAS 60 II/64
	<ul style="list-style-type: none"> <li>Number of pumps required</li> <li>Adequate pressure</li> <li>Relief valves</li> <li>Adequate number and position of hydrants</li> <li>Fire hoses properly stored <ul style="list-style-type: none"> <li>Spanners</li> </ul> </li> <li>Water fog applicators <ul style="list-style-type: none"> <li>2 in each Category A machinery space</li> <li>1 for each pair for SCBA's</li> <li>3 for each special category space</li> </ul> </li> <li>Portable foam applicators <ul style="list-style-type: none"> <li>1 unit in each boiler room</li> <li>1 unit in each engineroom</li> <li>1 unit for each special category space</li> </ul> </li> <li>Fire hose nozzles <ul style="list-style-type: none"> <li>Jet / spray nozzles with a shutoff</li> </ul> </li> </ul>	SOLAS 74/78 II-2/41-2.1.3  SOLAS 74/78 II-2/41-2.1.4  SOLAS 74/78 II-2/41-2.1.5

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---

<input type="checkbox"/>	International shore connection	SOLAS 74 II-2/81
<input type="checkbox"/>	Fixed system for engineroom and cargo spaces	SOLAS 48 II/47 SOLAS 48 II/50
	<ul style="list-style-type: none"> <li>• Alarms</li> <li>• Piping</li> <li>• Controls</li> <li>• Markings</li> </ul>	
<input type="checkbox"/>	Fixed system for engineroom and cargo spaces	SOLAS 60 II/62 SOLAS 60 II/64
	<ul style="list-style-type: none"> <li>• Alarms</li> <li>• Piping</li> <li>• Controls</li> <li>• Markings</li> </ul>	
<input type="checkbox"/>	Automatic sprinkler system installed	SOLAS 74/78 II-2/41-2.5
	<ul style="list-style-type: none"> <li>• Accommodations spaces</li> <li>• Service spaces</li> <li>• Stairway enclosures</li> <li>• Corridors</li> </ul>	
<input type="checkbox"/>	General emergency alarm	SOLAS 74/78 II-2/41-2.4.8
	<ul style="list-style-type: none"> <li>• Audible throughout accommodation spaces, crew working spaces, and open decks</li> <li>• Sounds continuously until MANUALLY shut off</li> </ul>	
<input type="checkbox"/>	Means of escape	SOLAS 74 II-2/83 SOLAS 60 II/68
	<ul style="list-style-type: none"> <li>• Adequate</li> <li>• Fire-resistant bulkheads</li> <li>• Not blocked by furniture</li> <li>• Low-location lighting               <ul style="list-style-type: none"> <li>– No more than 1 foot above deck</li> <li>– Signs and equipment marked</li> <li>– Inspected and logged weekly</li> </ul> </li> </ul>	SOLAS 74/78 II-2/41-2.4.10 SOLAS 74/78 II-2/41-2.4.7

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

---



- |                          |  |   |
|--------------------------|--|---|
| <input type="checkbox"/> | Fireman's outfits  |   |
|                          | <ul style="list-style-type: none"> <li>• SCBA spare air cylinders (must be interchangeable)</li> <li>• Proper number of outfits for passenger spaces</li> <li>• 2 additional outfits per MVZ</li> <li>• Properly stowed</li> </ul> | SOLAS 74/78 II-2/17.1.2.2<br>SOLAS 74/78 II-2/17.3.1.1<br>SOLAS 74/78 II-2/17.4 |
| <input type="checkbox"/> | Fuel pump remote shutdown  | SOLAS 74 II-2/77  |
| <input type="checkbox"/> | Noncombustible cinematographic film  | SOLAS 74 II-2/78  |

### **Machinery:**

- |                          |  |   |
|--------------------------|--|---|
| <input type="checkbox"/> | General condition of engine room / boiler room / machinery satisfactory  | SOLAS 48 II<br>SOLAS 60 II                          |
|                          | <ul style="list-style-type: none"> <li>• Tank tops, bilge wells, bilges clean</li> </ul>   |   |
| <input type="checkbox"/> | Steering gear  | SOLAS 48 II/56<br>SOLAS 60 II/ 29<br>SOLAS 60 II/30 |
|                          | <ul style="list-style-type: none"> <li>• Main steering gear tested</li> <li>• Auxiliary steering gear tested</li> </ul>                          |   |
| <input type="radio"/>    | Steering gear  |   |
|                          | <ul style="list-style-type: none"> <li>• Communications between bridge / steering gear room</li> <li>• Indicators for electric motors</li> </ul> | SOLAS 60 II/ 29<br>SOLAS 60 II/30                   |
| <input type="radio"/>    | Communication navigation bridge / machinery space  | SOLAS 60 II/33                                      |
|                          | <ul style="list-style-type: none"> <li>• Engine-order telegraph</li> <li>• Sound powered phone, voice tube, etc.</li> </ul>                      |   |

### **Electrical Systems:**

- |                          |  |                                  |
|--------------------------|--|----------------------------------|
| <input type="checkbox"/> | Main generators  | SOLAS 48 II/21<br>SOLAS 60 II/24 |
|                          | <ul style="list-style-type: none"> <li>• 2 required</li> </ul> |                                  |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- |   |   |
|---|---|
| <input type="checkbox"/> Emergency source of power <ul style="list-style-type: none"> <li>• Location</li> <li>• Emergency lighting</li> <li>• Generator and/or batteries tested under load</li> </ul> | SOLAS 74/78 II-2/84<br>SOLAS 48 II/22<br>SOLAS 60 II/25 |
| <input type="checkbox"/> General safety <ul style="list-style-type: none"> <li>• Guards and mats for switchboards</li> <li>• Battery storage</li> </ul>   | SOLAS 48 II/23<br>SOLAS 48 II/24<br>SOLAS 60 II/27      |

### **Pollution Prevention:**

- |   |   |
|---|---|
| <input type="checkbox"/> Pollution placard posted   | 33 CFR 155.450  |
| <input type="checkbox"/> MARPOL V placard posted  | MARPOL Ax. V/9  |
| <input type="checkbox"/> Garbage <ul style="list-style-type: none"> <li>• Shipboard garbage properly disposed</li> <li>• No plastics or synthetics discharged overboard</li> <li>• Garbage Management Plan</li> </ul> | 33 CFR 151.63<br>MARPOL Ax. V/3<br><br>MARPOL Ax. V/9 |
| <input type="checkbox"/> Standard discharge connection  | MARPOL Ax. I/18<br>33 CFR 155.430                     |
| <input type="checkbox"/> Cargo oil containment <ul style="list-style-type: none"> <li>• Size</li> <li>• Drains</li> <li>• Scupper closures</li> </ul>   | 33 CFR 155.310  |
| <input type="checkbox"/> Fuel oil containment <ul style="list-style-type: none"> <li>• Portable</li> <li>• Fixed</li> </ul>   | 33 CFR 155.320  |
| <input type="checkbox"/> Prohibited oil spaces  | 33 CFR 155.470  |
| <input type="checkbox"/> Deck lighting  | 33 CFR 155.790  |

Notes: \_\_\_\_\_

---



---



---



---



---

- |  |  |
|--|--|
| <input type="checkbox"/> Oil transfer hose <ul style="list-style-type: none"> <li>• Condition</li> <li>• Markings</li> <li>• Hose assembly requirements</li> <li>• Tests and inspections</li> </ul>                          | 33 CFR 155.800                                 |
| <input type="checkbox"/> Oily water separator <ul style="list-style-type: none"> <li>100 ppm and bilge monitor</li> <li>15 ppm and bilge alarm</li> </ul>  | MARPOL Ax. I/16                                |
| <input type="checkbox"/> Sludge (oil residue) tank <ul style="list-style-type: none"></ul>   | MARPOL Ax. I/17                                |
| <input type="checkbox"/> Marine sanitation device <ul style="list-style-type: none"> <li>• Type (I, II, III)</li> <li>• Nameplate</li> <li>• Placard</li> <li>• Proper operation</li> <li>• Capacity satisfactory</li> </ul> | 33 CFR 159.7<br>33 CFR 159.55<br>33 CFR 155.59 |

Notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Section 4: Drills

☐ **Fire Drill:**

Initial notifications	Familiarity with duties	Space isolation
General alarms / signals	Familiarity with equipment	Smoke control
Crew response	Fire pumps started	Arrange care of passengers
Properly dressed / equipped	Two jets of water	Communications w/ bridge
Language understood by crew	Fire doors and dampers	

(SOLAS 74/78 III/18.3; MSM Vol. II/22.C.7.i; NVIC 6-91)

Time on Scene: \_\_\_\_\_

Notes: \_\_\_\_\_

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper appears to be a standard notebook page or a sheet of stationery.

☐ **Abandon Ship Drill:**

General alarms / signals	Familiarity with duties	Boat release
Muster lists	Provide equipment	Boat operation
Muster of crew / passengers	Familiarity with equipment	Egress procedures
Crew response	Lower lifeboat	Davit-launched liferaft drill
Language understood by crew	Brake operation	Communication w/ bridge
Lif jackets	Engine start	Lighting

(SOLAS 74/78 III/18.3; MSM Vol. II/22.C.7.h)

Location: \_\_\_\_\_ Time to Water: \_\_\_\_\_

Notes: \_\_\_\_\_

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

## Section 5: Appendices

### **Recommended Port State Control Procedures:**

The following flowcharts contain information gleaned from the Marine Safety Manual Volume II, Chapter 24. The senior marine inspector/port state control officer should be familiar with this chapter as well as the information pertaining to Port State Control examinations contained in MSM Volume II, Chapters 19—Foreign Vessel Exams (General), 20—Foreign Vessel Exams (Passenger), and 23—Targeting of Foreign Vessel Boardings.

Considering the seriousness of the deficiencies, the OCMI or COTP must determine the appropriate control action to impose on these vessels to ensure the safety of the vessel, the port, and the environment. The degree of control imposed, as well as the authority used to exercise control, must be consistent with the nature of the deficiencies.

The following definitions and terms of reference are used in the MSM to describe key elements of Port State Control enforcement:

**Clear Grounds.** Evidence that the vessel, its equipment, or crew do not correspond substantially to the requirements of the relevant conventions or that the master or crew members are not familiar with essential shipboard procedures relating to the safety of vessels or the prevention of pollution.

**Control.** Control is the process of imposing a port state's or flag state's authority over a vessel to ensure that its structure, equipment, operation and crew meet applicable standards. The process is affected by any verbal or written directives from the OCMI/COTPs or their representatives, which require action or compliance by the vessel.

**Detention.** Detention is a control action that restricts a vessel's right of free movement. The imposition of a restriction on the movement of a vessel constitutes a detention regardless of whether or not a delay from a vessel's normal or expected itinerary occurs. Detentions may be carried out under the authority of the applicable international convention, the Ports and Waterways Safety Act (PWSA) or a Customs hold.

**Intervention.** An intervention is a control action taken by a port state, which interposes the port state's authority over a foreign flag vessel in order to cause the vessel to be brought into compliance with an applicable international convention. Interventions are undertaken by a port state when a vessel's flag state has not, can not, or will not exercise its obligations under an international convention to which it is a party. This may include requesting appropriate information, requiring the immediate or future rectification of deficiencies, detaining the vessel, or allowing the vessel to proceed to another port for repairs.

**Nonconforming Vessel.** Any vessel failing to comply with one or more applicable requirements of U.S. law or international conventions is a nonconforming vessel. A nonconforming vessel is not necessarily a substandard vessel unless the discrepancies endanger the vessel, persons on board, or present an unreasonable risk to the marine environment.

**Substandard Vessel.** In general, a vessel is regarded as substandard if the hull, machinery, or equipment, such as lifesaving, firefighting and pollution prevention, are substantially below the standards required by U.S. laws or international conventions, owing to:

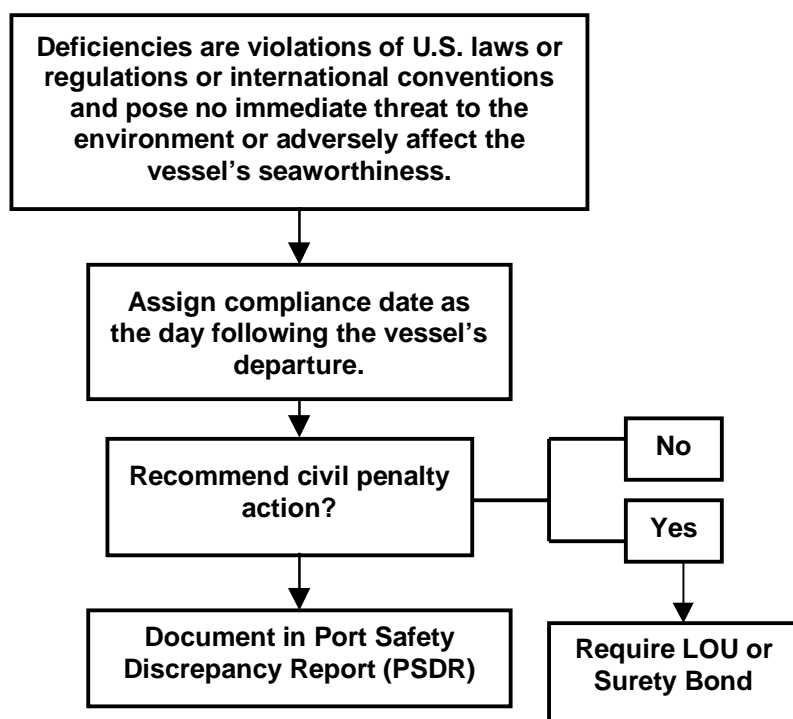
- The absence of required principal equipment or arrangement;
- Gross noncompliance of equipment or arrangement with required specifications;
- Substantial deterioration of the vessel structure or its essential equipment;
- Noncompliance with applicable operational and/or manning standards; or
- Clear lack of appropriate certification, or demonstrated lack of competence on the part of the crew.

If these evident factors as a whole or individually endanger the vessel, persons on board, or present an unreasonable risk to the marine environment, the vessel should be regarded as a substandard vessel.

**Valid Certificates.** A certificate that has been issued directly by a contracting government or party to a convention, or on the behalf of the government or party by a recognized organization, and contains accurate and effective dates, meets the provisions of the relevant convention, and corresponds to the particulars of the vessel and its equipment.

## Requiring Corrective Measures Prior to Return to U.S.

### (NO DETENTION)



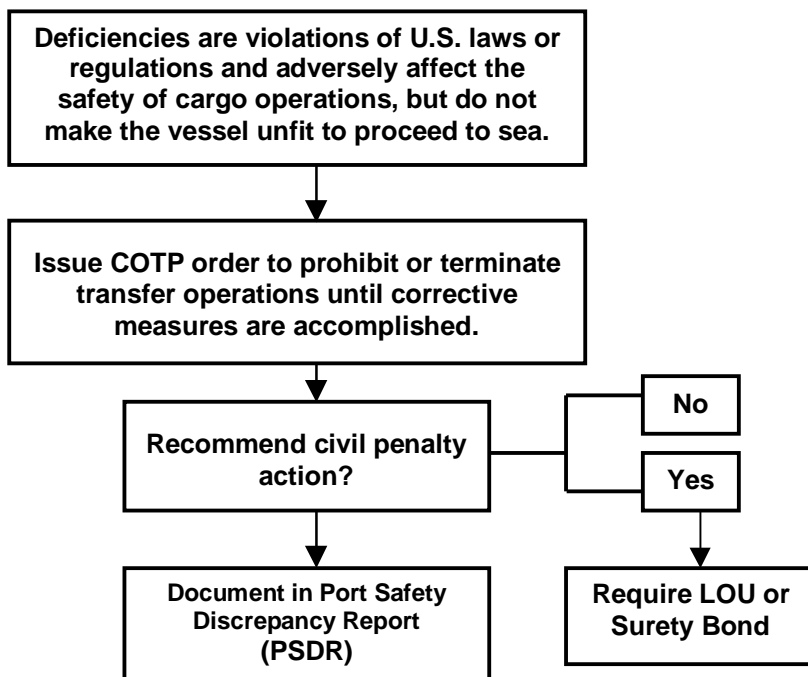
Examples include the following:

- Charts or nautical publications not currently corrected.
- Portable hoses have not been tested but appear in good condition.
- Actual location of safety equipment deviates from the vessel safety plan.
- Electrical fixtures in paint locker not appropriately certified for safe usage in hazardous location. (Operational controls, such as disconnecting the electrical power source or removing flammables from the space, may satisfactorily remove risk to vessel.)



**Requiring Corrective Measures Prior to Cargo, Bunkering or  
Lightering Operations**

**(NO DETENTION)**

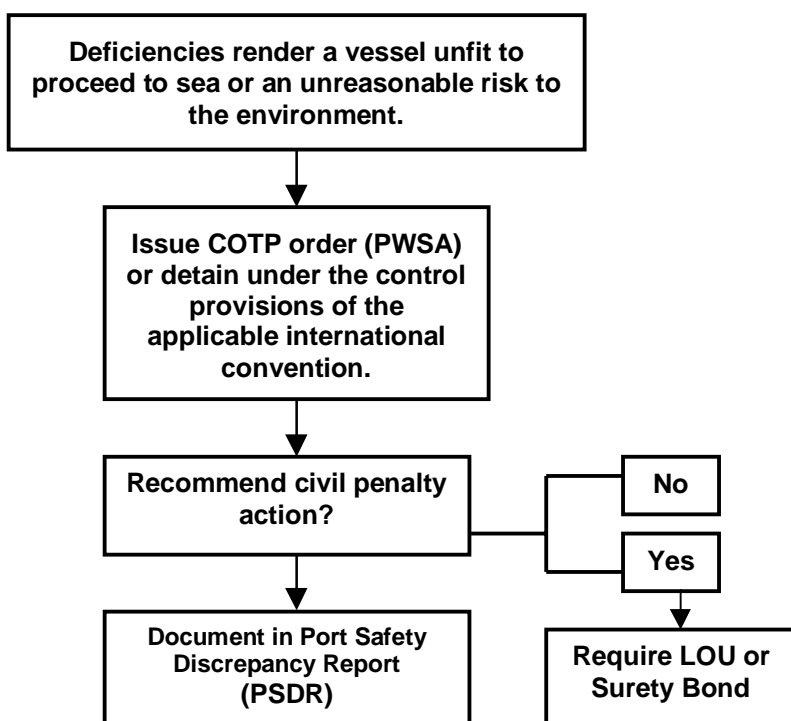


Examples include the following:

- Oil transfer procedures incomplete.
- Information on properties and hazards of cargoes not on board.
- High and low level alarms inoperative.

## Requiring Corrective Measures Prior to Departure

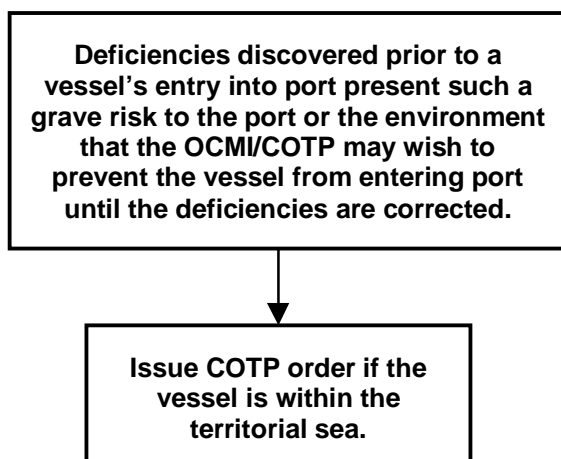
### **(DETENTION)**



Examples include the following:

- Excessive wastage, corrosion, pitting, holes, or damage to the hull, cargo hatches, fire main, or other vital system.
- Inoperable emergency fire pump or emergency generator.
- Inability to lower lifeboats.
- Inoperable lifeboat motors (i.e., will not start).
- Crew incompetent to carry out duties (e.g., fire or boat drills, cargo transfer, stability calculations, etc.).
- Licenses invalid.
- Safe Manning Document not on board.

### **Requiring Corrective Measures Prior to Entry**



Examples include the following:

- Leaking tanks.
- Carrying dangerous cargoes with expired documents.
- Carrying incompatible cargoes.
- Invalid ISM certificates.
- COFR not on board.

**Detention Information:**

*NOTE: Complete prior to recommendation.*

Verify owner (from DOC or COFR), operator, and mailing address.

Verify owner's agent.

Verify last and future drydock dates and locations.

If dual classed, who will respond? \_\_\_\_\_

Which agency issued the documents that have major problems?

What is the date of the last survey conducted for those items that have problems?

What are the vessel's plans to deal with the problems?

What is the crew's attitude toward the problems?

Is the detention ISM related? If so, include ISM certification information in the Detention Report to G-MOC-4.

Notes: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





### **Deficiency Summary Worksheet:**

Name of Vessel

VIN

Deficiency	MSIS Code	Req't. Issued / Date Completed

Deficiencies identified should be listed with MSIS codes. At completion of inspection/examination, any outstanding deficiencies shall be entered in MIDR or PSDR as appropriate. All deficiencies found (outstanding and completed) shall be entered in the Deficiency Summary. Worklist items, which serve only as memory joggers to complete inspection/examination (e.g., test emergency fire pump), should not be coded as deficiencies.

### **MSIS Codes for Deficiencies:**

<b>BS</b>	Ballast	<b>DC</b>	Dry Cargo	<b>IC</b>	I/C Engine
<b>BI</b>	Bilge	<b>ES</b>	Electrical	<b>LS</b>	Lifesaving
<b>BA</b>	Boiler, Aux.	<b>FF</b>	Firefighting	<b>MI</b>	Miscellaneous
<b>BM</b>	Boiler, Main	<b>FL</b>	Fuel	<b>NS</b>	Navigation
<b>CS</b>	Cargo	<b>GS</b>	General Safety	<b>PP</b>	Propulsion
<b>DM</b>	Deck Machinery	<b>HA</b>	Habitation	<b>SS</b>	Steering
<b>DL</b>	Doc., Lics., Pmts.	<b>HU</b>	Hull		

## Conversions:

Distance and Energy				
Kilowatts (kW)	X	1.341	=	Horsepower (hp)
Feet (ft)	X	3.281	=	Meters (m)
Long Ton (LT)	X	.98421	=	Metric Ton (t)
Liquid <i>(NOTE: Values are approximate.)</i>				
Liquid	bbbl/LT	m³/t	bbbl/m³	bbbl/t
Freshwater	6.40	1.00	6.29	6.29
Saltwater	6.24	.975	6.13	5.98
Heavy Oil	6.77	1.06	6.66	7.06
DFM	6.60	1.19	7.48	8.91
Lube Oil	7.66	1.20	7.54	9.05
Weight				
1 Long Ton	= 2240 lbs	1 Metric Ton	= 2204 lbs	
1 Short Ton	= 2000 lbs	1 Cubic Foot	= 7.48 gal	
1 Barrel (oil)	= 5.61 ft = 42 gal = 6.29 m³	1 psi	= .06895 Bar = 2.3106 ft of water	
Temperature: Fahrenheit = Celsius (°F = 9/5 °C + 32 and °C = 5/9 (°F – 32))				
0	= -17.8	80	= 26.7	200 = 93.3
32	= 0	90	= 32.2	250 = 121.1
40	= 4.4	100	= 37.8	300 = 148.9
50	= 10.0	110	= 43.3	400 = 204.4
60	= 15.6	120	= 48.9	500 = 260
70	= 21.1	150	= 65.6	1000 = 537.8
Pressure: Bars = Pounds per square inch				
1 Bar	= 14.5 psi	5 Bars	= 72.5 psi	9 Bars = 130.5 psi
2 bars	= 29.0 psi	6 Bars	= 87.0 psi	10 Bars = 145.0 psi
3 Bars	= 43.5 psi	7 Bars	= 101.5 psi	
4 Bars	= 58.0 psi	8 Bars	= 116.0 psi	